

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 5, line 16, which starts with "A multi-carrier communication apparatus according to the invention..." with the following amended paragraph:

A multi-carrier communication apparatus according to the invention is a multi-carrier communication apparatus for transmitting data using a plurality of sub-carriers, comprising a modulator that modulates a plurality of sub-carriers arranged in a two-dimensional matrix in a complex plane according to first data, the matrix including a plurality of sub-carriers arranged in a direction of a frequency axis and a plurality of sub-carriers in a direction of a time axis. ~~[[a]] A~~ determining unit ~~which-determines a pattern of particular signals associated with first-second~~ data, an allocating unit ~~which-allocates the determined pattern to sub-carriers of [[a]] the matrix~~ that is formed by arranging a plurality of sub-carriers arranged in the direction of a frequency axis in the direction of a time axis, ~~an allocating unit which allocates sub-carriers modulated by second data to the part of the matrix other than the particular signals,~~ and a transmitting unit ~~which-transmits the particular signals allocated to the matrix and the sub-carriers modulated by the second data.~~